

PLATE	ROW	COL	Compound Name	Formula	MW	Sigma Product	CAS
1	A	1	NAD	C21H27N7O14P2	663.11	N1636	53-84-9
1	A	2	L-GLUTAMINE	C5H10N2O3	146.07	G8540	56-85-9
1	A	3	HYPOTAURINE	C2H7NO2S	109.02	H1384	300-84-5
1	A	4	INOSINE 5'-PHOSPHATE	C10H13N4O8P	348.05	I2879	131-99-7
1	A	5	CITRATE	C6H8O7	192.03	251275	77-92-9
1	A	6	L-THREONINE	C4H9NO3	119.06	89179	72-19-5
1	A	7	PURINE	C5H4N4	120.04	P55805	120-73-0
1	A	8	N-ACETYLNEURAMINATE	C11H19NO9	309.11	A0812	131-48-6
1	A	9	L-KYNURENINE	C10H12N2O3	208.08	61250	343-65-7
1	A	10	PYRIMIDINE	C4H4N2	80.04	131695	289-95-2
1	A	11	D-ASPARTATE	C4H7NO4	133.04	219096	1783-96-6
1	A	12	URATE	C5H4N4O3	168.03	U2625	69-93-2
1	B	1	CYTIDINE	C9H13N3O5	243.09	C122106	65-46-3
1	B	2	L-SERINE	C3H7NO3	105.04	84959	56-45-1
1	B	3	L-CYSTEINE	C3H7NO2S	121.02	30089	52-90-4
1	B	4	CITRULLINE	C6H13N3O3	175.10	C7629	372-75-8
1	B	5	TAURINE	C2H7NO3S	125.01	86329	107-35-7
1	B	6	D-GLUCONO-1,5-LACTONE	C6H12O7	178.05	G4750	90-80-2
1	B	7	NICOTINATE	C6H5NO2	123.03	N4126	59-67-6
1	B	8	INOSINE	C10H12N4O5	268.08	I4125	58-63-9
1	B	9	4-AMINOBUTANOATE	C4H9NO2	103.06	A2129	56-12-2
1	B	10	CYTOSINE	C4H5N3O	111.04	C3506	71-30-7
1	B	11	L-ISOLEUCINE	C6H13NO2	131.09	58879	73-32-5
1	B	12	PYRAZOLE	C3H3N2	67.03	P56607	288-13-1
1	C	1	L-GLUTAMIC ACID	C5H9NO4	147.05	G1251	56-86-0
1	C	2	ASCORBATE	C6H8O6	176.03	A0278	50-81-7
1	C	3	BETA-ALANINE	C3H7NO2	89.05	A9920	107-95-9
1	C	4	N-ACETYL-D-GLUCOSAMINE	C8H15NO6	221.09	A8625	7512-17-6
1	C	5	GLYCOLATE	C2H4O3	76.02	07391	79-14-1
1	C	6	SARCOSINE	C3H7NO2	89.05	131776	107-97-1
1	C	7	GLUCONIC ACID	C6H12O7	196.06	G1951	526-95-4
1	C	8	QUINATE	C7H12O6	192.06	46944	77-95-2
1	C	9	(S)-DIHYDROOROTATE	C5H6N2O4	158.03	D7128	5988-19-2
1	C	10	MALONATE	C3H4O4	104.01	46938	141-82-2
1	C	11	PIPECOLATE	C6H11NO2	129.08	P45850	535-75-1
1	C	12	FORMAMIDE	CH3NO	45.02	F9037	75-12-7
1	D	1	GLYCINE	C2H5NO2	75.03	G7126	56-40-6
1	D	2	L-METHIONINE	C5H11NO2S	149.05	64319	63-68-3
1	D	3	TETRAHYDROFOLATE	C19H23N7O6	445.17	T3125	135-16-0
1	D	4	ADENINE	C5H5N5	135.05	A8626	73-24-5
1	D	5	5'-METHYLTHIOADENOSINE	C11H15N5O3S	297.09	D5011	2457-80-9
1	D	6	THYMIDINE	C10H14N2O5	242.09	T9250	50-89-5
1	D	7	GLYCERATE	C3H6O4	106.03		91674-26-9
1	D	8	OROTATE	C5H4N2O4	156.02	O2750	65-86-1
1	D	9	ETHANOLAMINE PHOSPHATE	C2H8NO4P	141.02	P0503	1071-23-4
1	D	10	XANTHINE	C5H4N4O2	152.03	X7375	69-89-6
1	D	11	DIHYDROFOLATE	C19H21N7O6	443.16	271462	4033-27-6
1	D	12	L-CYSTINE	C6H12N2O4S2	240.02	C7602	56-89-3
1	E	1	L-ALANINE	C3H7NO2	89.05	A7627	56-41-7
1	E	2	L-TRYPTOPHAN	C11H12N2O2	204.09	T0254	73-22-3
1	E	3	URIDINE-5-MONOPHOSPHATE	C9H13N2O9P	324.04	U1752	58-97-9
1	E	4	L-PROLINE	C5H9NO2	115.06	P5607	147-85-3
1	E	5	THYMINE	C5H6N2O2	126.04	T0376	65-71-4
1	E	6	SUCCINATE SEMIALDEHYDE	C4H6O3	102.03		91674-26-9
1	E	7	(S)-LACTATE	C3H6O3	90.03	L1750	79-33-4
1	E	8	URIDINE	C9H12N2O6	244.07	U3750	58-96-8
1	E	9	FRUCTOSE 1,6-BIPHOSPHATE	C6H14O12P2	340.00	COM448661760	488-69-7
1	E	10	CARNOSINE	C9H14N4O3	226.11	C9625	305-84-0
1	E	11	NICOTINAMIDE	C6H6N2O	122.05	72340	98-92-0
1	E	12	SHIKIMATE	C7H10O5	174.05	S5375	138-59-0
1	F	1	SUCCINATE	C4H6O4	118.03	S3674	110-15-6
1	F	2	L-PHENYLALANINE	C9H11NO2	165.08	P5482	63-91-2
1	F	3	URACIL	C4H4N2O2	112.03	U0750	66-22-8
1	F	4	(S)-MALATE	C4H6O5	134.02	112577	97-67-6
1	F	5	L-ASPARTATE	C4H7NO4	133.04	A7219	56-84-8
1	F	6	2'-DEOXYCYTIDINE 5'- MONOPHOSPHATE	C9H14N3O7P	307.06	D7750	1032-65-1
1	F	7	HYPOXANTHINE	C5H4N4O	136.04	H9377	68-94-0
1	F	8	CREATINE	C4H9N3O2	131.07	C0780	57-00-1
1	F	9	3,4-DIHYDROXY-L-PHENYLALANINE	C9H11NO4	197.07	D9628	59-92-7
1	F	10	GUANOSINE	C10H13N5O5	283.09	G6752	118-00-3
1	F	11	5,6-DIHYDROURACIL	C4H6N2O2	114.04	D7628	504-07-4
1	F	12	(R)-MALATE	C4H6O5	134.02	46940	636-61-3
1	G	1	L-LYSINE	C6H14N2O2	146.11	23128	56-87-1
1	G	2	L-TYROSINE	C9H11NO3	181.07	93829	60-18-4

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1	G	3	GLYCEROL	C3H8O3	92.05	G5516	56-81-5
1	G	4	L-ASPARAGINE	C4H8N2O3	132.05	A0884	70-47-3
1	G	5	L-VALINE	C5H11NO2	117.08	94619	72-18-4
1	G	6	GUANINE	C5H5N5O	151.05	G11950	73-40-5
1	G	7	HOMOSERINE	C4H9NO3	119.06	H6515	672-15-1
1	G	8	PYRIDOXINE	C8H11NO3	169.07	P5669	65-23-6
1	G	9	DAMP	C10H14N5O6P	331.07	D6375	653-63-4
1	G	10	(R,R)-TARTARIC ACID	C4H6O6	150.02	251380	87-69-4
1	G	11	NICOTINAMIDE MONONUCLEOTIDE	C11H15N2O8P	334.06	N3501	1094-61-7
1	G	12	FOLIC ACID	C19H19N7O6	441.14	F7876	59-30-3
1	H	1	ISOCITRIC ACID	C6H8O7	257.97	I1252	1637-73-6 9 (anhydrous)
1	H	2	THIOUREA	CH4N2S	76.01	T8656	62-56-6
1	H	3	DIETHANOLAMINE	C4H11NO2	105.08	31590	111-42-2
1	H	4	3-AMINOISOBUTANOATE	C4H9NO2	103.06	217794	144-90-1
1	H	5	CYS-GLY	C5H10N2O3S	178.04	C0166	19246-18-5
1	H	6	L-2-PHOSPHOGLYCERIC ACID	C3H7O7P	229.96	19710	23295-92-3
1	H	7	GUANIDINOACETATE	C3H7N3O2	117.05	G11608	352-97-6
1	H	8	CREATININE	C4H7N3O	113.06	C4255	60-27-5
1	H	9	N-ACETYL-D-TRYPTOPHAN	C13H14N2O3	246.10	A6251	87-32-1
1	H	10	TRANS-ACONITATE	C6H6O6	174.02	122750	4023-65-8
1	H	11	N-ACETYL-D-MANNOSAMINE	C8H15NO6	221.09	A8176	7772-94-3
1	H	12	D-GLUCOSE-6-PHOSPHATE	C6H13O9P	282.01	G7879	54010-71-8
2	A	1	LL-2,6-DIAMINOHEPTANEDIOATE	C7H14N2O4	190.10	33240	583-93-7
2	A	2	ALPHA-AMINOADIPATE	C6H11NO4	161.07	A0637	542-32-5
2	A	3	DEOXYCYTIDINE	C9H13N3O4	227.09	D3897	951-77-9
2	A	4	NORADRENALINE	C8H11NO3	169.07	A7257	51-41-2
2	A	5	D-GLUCOSAMINE 6-PHOSPHATE	C6H14NO8P	281.03	G4878	70442-23-8
2	A	6	(S,S)-TARTARIC ACID	C4H6O6	150.02	T206	147-71-7
2	A	7	3-DEHYDROSHIKIMATE	C7H8O5	172.04	05616	2922-42-1
2	A	8	BIS(3-AMINOPROPYL)AMINE	C6H17N3	131.14	I1006	56-18-8
2	A	9	HOMOCYSTEINE	C4H9NO2S	135.04	44925	454-29-5
2	A	10	THEOPHYLLINE	C7H8N4O2	180.06	T1633	58-55-9
2	A	11	LEUCINE	C6H13NO2	131.09	L7875	328-39-2
2	A	12	D-(+)-TREHALOSE	C12H22O11	378.14	T9531	6138-23-4
2	B	1	BETAINE	C5H11NO2	117.08	61962	107-43-7
2	B	2	D-TRYPTOPHAN	C11H12N2O2	204.09	T9753	153-94-6
2	B	3	3-SULFINO-L-ALANINE	C3H7NO4S	153.01	C4418	207121-48-0
2	B	4	O-SUCCINYL-L-HOMOSERINE	C8H13NO6	219.07	S7129	1492-23-5
2	B	5	ALLANTOIN	C4H6N4O3	158.04	05670	97-59-6
2	B	6	GLYCERALDEHYDE	C3H6O3	90.03	G5001	56-82-6
2	B	7	D-GLUCURONOLACTONE	C6H10O7	176.03	851450	32449-92-6
2	B	8	(2-AMINOETHYL)PHOSPHONATE	C2H8NO3P	125.02	268674	2041-14-7
2	B	9	SELENOMETHIONINE	C5H11NO2Se	197.00	S3875	1464-42-2
2	B	10	MALEIMIDE	C4H3NO2	97.02	129585	541-59-3
2	B	11	FORMATE	CH2O2	46.01	56302	64-18-6
2	B	12	D-(+)-GLUCOSAMINE	C6H13NO5	215.06	G4875	66-84-2
2	C	1	PARAXANTHINE	C7H8N4O2	180.06	D5385	611-59-6
2	C	2	ADENOSINE 5'-DIPHOSPHATE	C10H15N5O10P2	450.02	A2754	20398-34-9
2	C	3	2-DEOXY-D-GLUCOSE	C6H12O5	164.07	D6134	154-17-6
2	C	4	N(PAI)-METHYL-L-HISTIDINE	C7H11N3O2	169.09	67520	332-80-9
2	C	5	GALACTITOL	C6H14O6	182.08	D0256	608-66-2
2	C	6	5-OXO-D-PROLINE	C5H7NO3	129.04	422614	4042-36-8
2	C	7	4-PYRIDOXATE	C8H9NO4	183.05	P9630	82-82-6
2	C	8	PYRIDINE-2,3-DICARBOXYLATE	C7H5NO4	167.02	P63204	89-00-9
2	C	9	METHYLGUANIDINE	C2H7N3	73.06	222402	21770-81-0
2	C	10	CAFFEINE	C8H10N4O2	194.08	C0750	58-08-2
2	C	11	DL-3-HYDROXY-3-METHYLGLUTARYL COENZYME A SODIUM SALT HYDRATE	C27H42N7Na2O20P3S • 3H2O	1009.67	H6132	103476-21-7 (anhydrous)
2	C	12	D-GLUCURONIC ACID	C6H10O7	234.04	G8645	207300-70-7
2	D	1	1-METHYLADENOSINE	C11H15N5O4	281.11	COM448647026	15763-06-1
2	D	2	DEOXYURIDINE	C9H12N2O5	228.07	D5412	951-78-0
2	D	3	TRANS-4-HYDROXYPROLINE	C5H9NO3	131.06	H54409	51-35-4
2	D	4	UROCANATE	C6H6N2O2	138.04	859796	104-98-3
2	D	5	KYNURENINE	C10H12N2O3	208.08	K8625	2922-83-0
2	D	6	5-OXO-L-PROLINE	C5H7NO3	129.04	83160	98-79-3
2	D	7	4-ACETAMIDOBUTANOATE	C6H11NO3	145.07	S458368	3025-96-5
2	D	8	TRANS-CYCLOHEXANE-1,2-DIOL	C6H12O2	116.08	141712	1460-57-7
2	D	9	MELANIN	C18H10N2O4	318.06	M8631	8049-97-6
2	D	10	DOPAMINE	C8H11NO2	189.06	H8502	62-31-7
2	D	11	PUTRESCINE	C4H12N2	88.10	D13208	110-60-1
2	D	12	L-LYSINE	C6H14N2O2	182.08	23128	56-87-1
2	E	1	CYTIDINE 5'-DIPHOSPHOCHOLINE	C14H26N4O11P2	532.09	C0256	33818-15-4
2	E	2	1,3-DIAMINOPROPANE	C3H10N2	74.08	D23602	109-76-2
2	E	3	O-PHOSPHO-L-SERINE	C3H8NO6P	185.01	P0878	407-41-0

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2	E	4	1-AMINOCYCLOPROPANE-1-CARBOXYLATE	C4H7NO2	101.05	A3903	22059-21-8
2	E	5	5-HYDROXYMETHYLURACIL	C5H6N2O3	142.04	852589	4433-40-3
2	E	6	L-CYSTATHIONINE	C7H14N2O4S	222.07	C7505	56-88-2
2	E	7	L-NORVALINE	C5H11NO2	117.08	N7627	6600-40-4
2	E	8	3-HYDROXY-3-METHYLGLUTARATE	C6H10O5	162.05	H4392	503-49-1
2	E	9	PHOSPHONOACETATE	C2H5O5P	139.99	284270	4408-78-0
2	E	10	PICOLINIC ACID	C6H5NO2	123.03	P42800	98-98-6
2	E	11	ETHANOLAMINE	C2H7NO	61.05	398136	141-43-5
2	E	12	L-ARGININE	C6H14N4O2	210.09	A5131	1119-34-2
2	F	1	4-HYDROXY-L-PROLINE	C5H9NO3	131.06	H5534	51-35-4
2	F	2	6-DEOXY-L-GALACTOSE	C6H12O5	164.07	F2252	2438-80-4
2	F	3	HOMOCYSTINE	C8H16N2O4S2	268.06	H6010	626-72-2
2	F	4	N-METHYL-L-GLUTAMATE	C6H11NO4	161.07	M4017	6753-62-4
2	F	5	D-ORNITHINE	C5H12N2O2	168.07	O5250	16682-12-5
2	F	6	XANTHOSINE	C10H12N4O6	284.08	X0750	5968-90-1
2	F	7	3-METHYLCROTONYL-COA	C26H42N7O17P3S	849.16	M3013	108347-83-7
2	F	8	THYROTROPIN RELEASING HORMONE	C16H22N6O4	362.17	P1319	24305-27-9
2	F	9	5'-CMP	C9H14N3O8P	323.05	C1131	63-37-6
2	F	10	N-METHYL-D-ASPARTIC ACID	C5H9NO4	147.05	M3262	6384-92-5
2	F	11	GALACTARATE	C6H10O8	210.04	M89617	526-99-8
2	F	12	L-HISTIDINE	C6H9N3O2	208.05	H8125	5934-29-2
2	G	1	NICOTINIC ACID ADENINE DINUCLEOTIDE PHOSPHATE	C21H27N6O18P3	766.04	N5655	5502-96-5
2	G	2	N-ALPHA-ACETYL-L-ASPARAGINE	C6H10N2O4	174.06	441554	4033-40-3
2	G	3	L-PIPECOLIC ACID	C6H11NO2	129.08	P2519	3105-95-1
2	G	4	D-GLUCOSE 6-PHOSPHATE	C6H13O9P	297.99	G6526	103192-55-8
2	G	5	BETA-NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE	C21H28N7O17P3	784.08	N0505	698999-85-8
2	G	6	CARBAMOYL PHOSPHATE	CH4NO5P	184.95	C4135	72461-86-0
2	G	7	ISOPENTENYL PYROPHOSPHATE	C5H12O7P2	297.09	I0503	116057-53-5
2	G	8	GUANOSINE 5'-TRIPHOSPHATE	C10H16N5O14P3	561.98	G8877	36051-31-7
2	G	9	THYMIDINE-5'-DIPHOSPHO-ALPHA-D-GLUCOSE	C16H26N2O16P2	610.06	T9500	148296-43-9
2	G	10	AGMATINE SULFATE	C5H14N4	228.09	A7127	2482-00-0
2	G	11	GLYCOLALDEHYDE DIMER	C2H4O2	120.04	G6805	23147-58-2
2	G	12	2'-DEOXYGUANOSINE 5'-TRIPHOSPHATE	C10H16N5O13P3	546.99	D4010	18423-40-0 (anhydrous)
2	H	1	N-ACETYLGLYCINE	C4H7NO3	117.04	A16300	543-24-8
2	H	2	N-ACETYL-L-ASPARTIC ACID	C6H9NO5	175.05	00920	997-55-7
2	H	3	INOSINE 5'-DIPHOSPHATE	C10H14N4O11P2	493.96	I4375	81012-88-6
2	H	4	2'-DEOXYADENOSINE 5'-DIPHOSPHATE	C10H15N5O9P2	434.02	D6000	72003-83-9
2	H	5	2'-DEOXYGUANOSINE 5'-MONOPHOSPHATE	C10H14N5O7P	387.06	D9500	
2	H	6	NICOTINAMIDE HYPOXANTHINE DINUCLEOTIDE	C21H26N6O15P2	688.09	N6506	104809-38-3
2	H	7	S-(5'-ADENOSYL)-L-METHIONINE	C15H22N6O5S	570.16	A2408	17176-17-9
2	H	8	6-PHOSPHOGLUCONIC ACID	C6H13O10P	344.99	P7877	53411-70-4
2	H	9	ALPHA-HYDROXYISOBUTYRIC ACID	C4H8O3	104.05	323594	594-61-6
2	H	10	L-CYSTEIC ACID	C3H7NO5S	187.02	30170	23537-25-9
2	H	11	ADENOSINE 5'-MONOPHOSPHATE	C10H14N5O7P	391.03		4578-31-8
2	H	12	D-GLUCONATE	C6H12O7	218.04	S2054	527-07-1
3	A	1	PUTRESCINE	C4H12N2	88.15	D13208	110-60-1
3	A	2	DEOXYCARNITINE	C7H15NO2	181.09	403245	6249-56-5
3	A	3	ADENOSINE 2',3'-CYCLIC MONOPHOSPHATE	C10H12N5O6P	351.03	A9376	37063-35-7
3	A	4	MEVALOLACTONE	C6H12O4	130.06	M4667	674-26-0
3	A	5	URIDINE 5'-DIPHOSPHOGLUCOSE	C15H24N2O17P2	610.02	U4625	28053-08-9
3	A	6	GAMMA,GAMMA-DIMETHYLALLYL PYROPHOSPHATE	C5H12O7P2	297.09	D4287	1186-30-7
3	A	7	2'-DEOXYURIDINE 5'-TRIPHOSPHATE	C9H15N2O14P3	489.96	D4001	102814-08-4
3	A	8	PHOSPHOCHOLINE	C5H14NO4P	329.03	P0378	72556-74-2
3	A	9	URIDINE 5'-TRIPHOSPHATE	C9H15N2O15P3	484.14	U6875	108321-53-5
3	A	10	6-HYDROXYDOPAMINE	C8H11NO3	205.05	H4381	28094-15-7
3	A	11	THIAMINE	C12H17N4OS	301.09	T4625	67-03-8
3	A	12	2'-DEOXYGUANOSINE 5'-DIPHOSPHATE	C10H15N5O10P2	449.01	D9250	102783-74-4
3	B	1	5-METHYLCYTOSINE HYDROCHLORIDE	C5H7N3O	161.04	M6751	58366-64-6
3	B	2	D-GLYCERIC ACID	C3H6O4	286.02	367494	6000-41-5
3	B	3	CYTIDINE 2',3'-CYCLIC MONO-PHOSPHATE	C9H12N3O7P	327.02	C9630	15718-51-1
3	B	4	NEPSILON,NEPSILON,NEPSILON-TRIMETHYLLYSINE	C9H20N2O2	223.12	T1660	55528-53-5
3	B	5	PHOSPHO(ENOL)PYRUVIC ACID	C3H5O6P	251.94	P7127	5541-93-5
3	B	6	GUANOSINE 5'-DIPHOSPHOGLUCOSE	C16H25N5O16P2	628.07	G7502	103301-72-0
3	B	7	ALPHA-D-GALACTOSE 1-PHOSPHATE	C6H13O9P	425.99	G0380	19046-60-7

PLATE	ROW	COL	Compound Name	Formula	MW	Sigma Product	CAS
3	B	8	PYRIDOXAL 5'-PHOSPHATE	C8H10NO6P	265.04	P9255	853645-22-4
3	B	9	DIHYDROXYACETONE PHOSPHATE	C3H7O6P	182.01	D7137	102783-56-2
3	B	10	PHOSPHO(ENOL)PYRUVIC ACID	C3H5O6P	205.94	P7127	4265-07-0
3	B	11	D-MANNOSE 6-PHOSPHATE	C6H13O9P	413.93	M8754	104872-94-8
3	B	12	D-(-)-3-PHOSPHOGLYCERIC ACID	C3H7O7P	229.96	P8877	80731-10-8
3	C	1	L-CARNITINE	C7H15NO3	197.08	C0283	6645-46-1
3	C	2	2-AMINOETHYL DIHYDROGEN PHOSPHATE	C2H8NO4P	141.02	P0503	1071-23-4
3	C	3	O-ACETYL-L-SERINE	C5H9NO4	183.03	A6262	66638-22-0
3	C	4	THYMIDINE 5'-MONOPHOSPHATE	C10H15N2O8P	366.02	T7004	33430-62-5
3	C	5	ADENOSINE 3',5'-CYCLIC MONOPHOSPHATE	C10H12N5O6P	369.05	A6885	37839-81-9
3	C	6	ADENOSINE-5'-DIPHOSPHOGLUCOSE	C16H25N5O15P2	633.05	A0627	102129-65-7
3	C	7	D-FRUCTOSE 6-PHOSPHATE	C6H13O9P	322.00	F3627	26177-86-6 (anhydrous)
3	C	8	ADENOSINE 3',5'-DIPHOSPHATE	C10H15N5O10P2	470.99	A5763	75431-54-8
3	C	9	3-NITRO-L-TYROSINE	C9H10N2O5	226.06	N7389	621-44-3
3	C	10	OCTOPAMINE	C8H11NO2	189.06	O0250	770-05-8
3	C	11	NALPHA-ACETYL-L-LYSINE	C8H16N2O3	188.12	A2010	1946-82-3
3	C	12	URIDINE 5'-DIPHOSPHOGALACTOSE	C15H24N2O17P2	610.02	U4500	137868-52-1
3	D	1	SPERMIDINE	C7H19N3	253.09	S2501	334-50-9
3	D	2	PYRIDOXAMINE	C8H12N2O2	240.04	P9380	524-36-7
3	D	3	5-AMINOLEVULINIC ACID	C5H9NO3	167.03	O8340	5451-09-2
3	D	4	2'-DEOXYURIDINE 5'-MONO-PHOS- PHATE	C9H13N2O8P	354.02	D3876	42155-08-8
3	D	5	ADENOSINE 5'-TRIPHOSPHATE	C10H16N5O13P3	550.96	A2383	34369-07-8
3	D	6	D-RIBULOSE 1,5-BISPHOSPHATE	C5H12O11P2	350.99	R0878	14689-84-0
3	D	7	XANTHOSINE 5'-MONOPHOSPHATE	C10H13N4O9P	408.01	X100	25899-70-1
3	D	8	FLAVIN ADENINE DINUCLEOTIDE	C27H33N9O15P2	847.13	F6625	84366-81-4
3	D	9	2'-DEOXYGUANOSINE	C10H13N5O4	285.11	D7145	312693-72-4
3	D	10	OROTIC ACID	C5H4N2O4	174.03	O8402	50887-69-9
3	D	11	LAUROYL-CARNITINE	C19H37NO4	343.50	39953	25518-54-1
3	D	12	1-METHYLNICOTINAMIDE	C7H9N2O	172.04	SML0704	1005-24-9
3	E	1	SPERMINE	C10H26N4	346.12	85605	306-67-2
3	E	2	N-ACETYL-DL-METHIONINE	C7H13NO3S	191.06	A17900	1115-47-5
3	E	3	CARBAMOYLPHOSPHATE	CH4NO5P	171.01	C5625	1866-68-8 (anhydrous)
3	E	4	5-PHOSPHO-D-RIBOSE 1-DIPHOSPHATE	C5H13O14P3	477.88	P8296	108321-05-7
3	E	5	5-AMINOIMIDAZOLE-4-CARBOXAMIDE- 1-BETA-D-RIBOFURANOSYL 5'- MONOPHOSPHATE	C9H15N4O8P	338.06	A1393	3031-94-5
3	E	6	URIDINE 5'-DIPHOSPHO-N- ACETYLGLACTOSAMINE	C17H27N3O17P2	651.05	U5252	108320-87-2
3	E	7	GLYCERALDEHYDE 3-PHOSPHATE DIETHYL ACETAL	C7H15BaO7P	379.96	G5376	93965-35-6
3	E	8	GUANOSINE 3',5'-CYCLIC MONOPHOSPHATE	C10H12N5O7P	367.03	G6129	40732-48-7
3	E	9	L-HOMOCYSTEINE THIOLACTONE	C4H7NOS	153.00	H6503	31828-68-9
3	E	10	O-PHOSPHO-DL-SERINE	C3H8NO6P	185.01	79710	17885-08-4
3	E	11	S-(5'-ADENOSYL)-L-HOMOCYSTEINE	C14H20N6O5S	384.12	A9384	979-92-0
3	E	12	L-ORNITHINE	C5H12N2O2	168.07	O2375	3184-13-2
3	F	1	ADENINE	C5H5N5	170.02	A8751	6055-72-7
3	F	2	DL-NORMETANEPHRINE	C9H13NO3	219.07	N7127	1011-74-1
3	F	3	URIDINE 5'-DIPHOSPHO-N- ACETYLGLUCOSAMINE	C17H27N3O17P2	651.05	U4375	91183-98-1
3	F	4	GUANOSINE 5'-DIPHOSPHATE	C10H15N5O11P2	466.01	G7127	43139-22-6
3	F	5	PHOSPHOCREATINE	C4H10N3O5P	257.02	P7936	19333-65-4
3	F	6	URIDINE 5'-DIPHOSPHOGLUCURONIC ACID	C15H22N2O18P2	645.98	U6751	63700-19-6
3	F	7	2,3-DIPHOSPHO-D-GLYCERIC ACID	C3H8O10P2	375.87	D5764	102783-53-9
3	F	8	CYTIDINE 5'-DIPHOSPHATE	C9H15N3O11P2	443.01	C9755	34393-59-4
3	F	9	SELENOCYSTAMINE	C4H12N2Se2	283.91	S0520	3542-13-0
3	F	10	HISTAMINE	C5H9N3	182.03	H7250	56-92-8
3	F	11	INDOXYL SULFATE	C8H7NO4S	249.96	I3875	2642-37-7
3	F	12	ETHYL 3-UREIDOPROPIONATE	C6H12N2O3	160.08	S859575	
3	G	1	DEOXYRIBOSE	C5H10O4	134.06	121649	533-67-5
3	G	2	PHYTIC ACID	C6H18O24P6	697.82	P5681	129832-03-7
3	G	3	THIAMINE MONOPHOSPHATE	C12H17N4O4PS	416.07	T8637	273724-21-3
3	G	4	2,4-DIHYDROXYPYRIMIDINE-5- CARBOXYLIC ACID	C5H4N2O4	156.02	126268	23945-44-0
3	G	5	S-HEXYL-GLUTATHIONE	C16H29N3O6S	391.18	H6886	24425-56-7
3	G	6	GLYOXYLIC ACID	C2H2O3	92.01	G10601	563-96-2
3	G	7	GUANOSINE 5'-MONOPHOSPHATE	C10H14N5O8P	425.03	G8377	5550-12-9
3	G	8	N-ACETYL-L-ALANINE	C5H9NO3	131.06	A4625	97-69-8
3	G	9	4-GUANIDINOBUTANOATE	C5H11N3O2	145.09	G6503	463-00-3
3	G	10	HYDROXYPYRUVATE	C3H4O4	141.97	O6372	1113-60-6

PLATE	ROW	COL	Compound Name	Formula	MW	Sigma Product	CAS
3	G	11	D-MANNOSAMINE	C6H13NO5	215.06	M4670	5505-63-5
3	G	12	CYTOCHROME C	C42H52FeN8O6S2	884.28	C3131	9007-43-6
3	H	1	O-ACETYL-L-CARNITINE	C9H17NO4	239.09	A6706	5080-50-2
3	H	2	RIBOFLAVIN	C17H20N4O6	376.14	R9504	83-88-5
3	H	3	METHYL BETA-D-GALACTOSIDE	C7H14O6	194.08	M0285	1824-94-8
3	H	4	GLUTARIC ACID	C5H8O4	132.04	G3407	110-94-1
3	H	5	DIHYDROXYFUMARIC ACID	C4H4O6	166.01	D113204	199926-38-0
3	H	6	CMP	C9H14N3O8P	323.05	C1131	63-37-6
3	H	7	GUANOSINE 5'-DIPHOSPHO-D-MANNOSE	C16H25N5O16P2	627.06	G5131	103301-73-1
3	H	8	5'-DEOXYADENOSINE	C10H13N5O3	251.10	D1771	4754-39-6
3	H	9	GLUTATHIONE	C10H17N3O6S	307.08	G4251	70-18-8
3	H	10	ERYTHRITOL	C4H10O4	122.06	E7500	149-32-6
3	H	11	GLUCOSAMINATE	C6H13NO6	195.07	G0259	3646-68-2
3	H	12	URIDINE 5'-TRIPHOSPHATE	C9H15N2O15P3	483.97	U6875	108321-53-5
4	A	1	2'-DEOXYADENOSINE	C10H13N5O3	269.11	D7400	16373-93-6
4	A	2	N-ACETYLPUTRESCINE	C6H14N2O	166.09	A8784	18233-70-0
4	A	3	N-ACETYL-D-GALACTOSAMINE	C8H15NO6	221.09	A2795	1811-31-0
4	A	4	N-ACETYL-DL-GLUTAMIC ACID	C7H11NO5	189.06	COM448655108	1430-87-1
4	A	5	2,4-DIHYDROXYPTERIDINE	C6H4N4O2	164.03	L3307	487-21-8
4	A	6	6-HYDROXYNICOTINATE	C6H5NO3	139.03	128759	5006-66-6
4	A	7	N-ACETYL-L-CYSTEINE	C5H9NO3S	162.02	A7250	616-91-1
4	A	8	INOSINE 5'-MONOPHOSPHATE	C10H13N4O8P	392.01	57510	352195-40-5
4	A	9	D-PANTOTHENIC ACID	C9H17NO5	476.17	21210	137-08-6
4	A	10	2-AMINO-2-METHYLPROPANOATE	C4H9NO2	103.06	850993	62-57-7
4	A	11	ANILINE-2-SULFONIC ACID	C6H7N	173.01	A86805	88-21-1
4	A	12	S-CARBOXYMETHYL-L-CYSTEINE	C5H9NO4S	179.03	C7757	638-23-3
4	B	1	L-RHAMNOSE	C6H12O5	182.08	R3875	10030-85-0
4	B	2	THIAMINE PYROPHOSPHATE	C12H18N4O7P2S	460.01	C8754	154-87-0
4	B	3	L-HISTIDINOL	C6H11N3O	212.04	H6647	1596-64-1
4	B	4	THYMIDINE 5'-MONOPHOSPHATE	C10H15N2O8P	322.06	T7004	33430-62-5
4	B	5	3-UREIDOPROPIONATE	C4H8N2O3	132.05	94295	462-88-4
4	B	6	5-AMINOPENTANOATE	C5H11NO2	117.08	123188	660-88-8
4	B	7	NORLEUCINE	C6H13NO2	131.09	N6877	327-57-1
4	B	8	N-FORMYLGLYCINE	C3H5NO3	103.03	47723	2491-15-8
4	B	9	ADENOSINE	C10H13N5O4	267.10	A9251	58-61-7
4	B	10	D-(+)-RAFFINOSE	C18H32O16	594.22	R0514	17629-30-0
4	B	11	MESO-TARTARIC ACID	C4H6O6	168.03	95350	5990-63-6
4	B	12	2-ACETAMIDO-2-DEOXY-BETA-D-GLUCOSYLAMINE	C8H16N2O5	220.11	802999	4229-38-3
4	C	1	D-SACCHARIC ACID	C6H10O8	247.99	S4140	576-42-1
4	C	2	ADENOSINE 5'-TRIPHOSPHATE	C10H16N5O13P3	568.97	A2383	34369-07-8
4	C	3	3-METHOXY-L-TYROSINE	C10H13NO4	247.11	M4255	200630-46-2
4	C	4	D-LACTOSE	C12H22O11	360.13	61339	64044-51-5
4	C	5	3-HYDROXYBUTANOIC ACID	C4H8O3	104.05	166898	300-85-6
4	C	6	4-IMIDAZOLEACETIC ACID	C5H6N2O2	161.01	219991	3251-69-2
4	C	7	D-(+)-GALACTURONIC ACID	C6H10O7	212.05	48280	91510-62-2
4	C	8	CYTIDINE 5'-TRIPHOSPHATE	C9H16N3O14P3	526.95	C1506	36051-68-0
4	C	9	3',5'-CYCLIC AMP	C10H12N5O6P	329.05	A9501	60-92-4
4	C	10	L-METHIONINE SULFOXIMINE	C5H12N2O3S	180.06	M5379	15985-39-4
4	C	11	CIS-4-HYDROXY-D-PROLINE	C5H9NO3	131.06	H5877	2584-71-6
4	C	12	N1-ACETYLSPERMINE	C12H28N4O	352.16	01467	77928-70-2
4	D	1	MESOXALATE	C3H2O5	197.98	71740	31635-99-1
4	D	2	BETA-NICOTINAMIDE ADENINE DINUCLEOTIDE 2'-PHOSPHATE REDUCED	C21H28N7O17P3	851.03	N6505	2646-71-1 (anhydrous)
4	D	3	3-METHYLHISTAMINE	C6H11N3	197.05	M7780	36475-47-5
4	D	4	MALEAMATE	C4H5NO3	115.03	445495	557-24-4
4	D	5	CHOLINE	C5H14NO	104.11	292257	123-41-4
4	D	6	4-AMINOBUTANOATE	C4H9NO2	139.04	COM448687800	5959-35-3
4	D	7	FORMYL-L-METHIONYL PEPTIDE	C6H11NO3S	177.05	F3377	4289-98-9
4	D	8	ACETYLCHOLINE	C7H16NO2	181.09	A6625	60-31-1
4	D	9	OXALIC ACID	C2H2O4	126.02	75699	6153-56-6
4	D	10	5-HYDROXY-L-TRYPTOPHAN	C11H12N2O3	220.08	107751	4350-09-8
4	D	11	D-ALANINE	C3H7NO2	89.05	A7377	338-69-2
4	D	12	THEOBROMINE	C7H8N4O2	180.06	T4500	83-67-0
4	E	1	N-AMIDINO-L-ASPARTATE	C5H9N3O4	175.06	G7379	6133-30-8
4	E	2	L-HISTIDINE	C6H9N3O2	155.07	H8000	71-00-1
4	E	3	L-ALLOTHREONINE	C4H9NO3	119.06	210269	28954-12-3
4	E	4	CREATINE PHOSPHATE	C4H10N3O5P	327.04	27920	71519-72-7
4	E	5	SPERMIDINE	C7H19N3	145.16	S2626	124-20-9
4	E	6	ADENOSINE 5'-DIPHOSPHORIBOSE	C15H23N5O14P2	581.05	A0752	68414-18-6
4	E	7	2-METHOXYETHANOL	C3H8O2	76.05	284467	109-86-4
4	E	8	CITRAMALATE	C5H8O5	223.95	27455	1030365-02-6 (anhydrous)
4	E	9	L-ANSERINE	C10H16N4O3	303.12	A1131	10030-52-1

PLATE	ROW	COL	Compound Name	Formula	MW	Sigma Product	CAS
4	E	10	BILIVERDIN	C33H34N4O6	618.22	COM448661543	55482-27-4
4	E	11	DL-5-HYDROXYLYSINE	C6H14N2O3	198.08	H0377	13204-98-3
4	E	12	CYSTEAMINE	C2H7NS	77.03	M9768	60-23-1
4	F	1	OPHTHALMIC ACID	C11H19N3O6	289.13	COM466003852	495-27-2
4	F	2	L-2,3-DIAMINOPROPIONIC ACID	C3H8N2O2	140.04	219630	54897-59-5
4	F	3	TRIGONELLINE	C7H7NO2	173.02	T5509	6138-41-6
4	F	4	EPINEPHRINE	C9H13NO3	183.09	E4250	51-43-4
4	F	5	3,4-DIHYDROXYPHENYL GLYCOL	C8H10O4	170.06	D9753	28822-73-3
4	F	6	CADAVERINE	C5H14N2	174.07	C8561	1476-39-7
4	F	7	2-HYDROXYBUTYRIC ACID	C4H8O3	126.03	220116	5094-24-6
4	F	8	COENZYME A	C21H36N7O16P3S	790.10	C3144	55672-92-9
4	F	9	OXALOMALIC ACID	C6H6O8	271.95	O1626	89304-26-7
4	F	10	INOSINE 5'-TRIPHOSPHATE	C10H15N4O14P3	573.93	I0879	35908-31-7
4	F	11	SN-GLYCERO-3-PHOSPHOCHOLINE	C8H20NO6P	440.94	50035	64681-08-9
4	F	12	2,5-DIMETHYLPYRAZINE	C6H8N2	108.07	175420	123-32-0
4	G	1	STACHYOSE	C24H42O21	666.22	S4001	54261-98-2
4	G	2	2'-DEOXYCYTIDINE 5'-DIPHOSPHATE	C9H15N3O10P2	410.01	D7250	151151-32-5
4	G	3	(2R,3R)-(-)-2,3-BUTANEDIOL	C4H10O2	90.07	237639	24347-58-8
4	G	4	D-RIBOSE 5-PHOSPHATE	C5H11O8P	291.99	R7750	18265-46-8
4	G	5	3-HYDROXYKYNURENINE	C10H12N2O4	224.08	H1771	2147-61-7
4	G	6	D-(+)-GALACTOSAMINE 2'-DEOXYADENOSINE 5'-	C6H13NO5	215.06	G0500	1772-03-8
4	G	7	TRIPHOSPHATE	C10H16N5O12P3	536.98	30927	74299-50-6
4	G	8	SN-GLYCEROL 3-PHOSPHATE	C3H9O6P	370.22	G7886	29849-82-9
4	G	9	VITAMIN B12	C63H88CoN14O14P	1354.57	V2876	68-19-9
4	G	10	4-HYDROXY-L-PHENYLGLYCINE	C8H9NO3	167.06	56160	32462-30-9
4	G	11	N-ACETYL-DL-SERINE	C5H9NO4	147.05	A2638	97-14-3
4	G	12	URIDINE 5'-DIPHOSPHATE	C9H14N2O12P2	467.99	94330	27821-45-0
4	H	1	GLYCEROL 2-PHOSPHATE	C3H9O6P	233.99	G9422	154804-51-0
4	H	2	ALPHA-D-GLUCOSE 1-PHOSPHATE	C6H13O9P	322.00	G7000	56401-20-8
4	H	3	D-GLUCOSAMINE 6-SULFATE	C6H13NO8S	259.04		91674-26-9
5	A	1	3-METHYGLUTARIC ACID	C6H10O4	146.06	M47604	626-51-7
5	A	2	SORBATE	C6H8O2	150.01	85520	24634-61-5
5	A	3	MONO-ETHYL MALONATE	C3H4O4	132.04	445088	1071-46-1
5	A	4	DIMETHYL SULFIDE	C2H6S	62.02	274380	75-18-3
5	A	5	4-HYDROXYBENZOATE	C7H6O3	138.03	240141	99-96-7
5	A	6	TYRAMINE	C8H11NO	137.08	T90344	51-67-2
5	A	7	CORTISOL	C21H30O5	362.21	H4001	50-23-7
5	A	8	PRENOL	C5H10O	86.07	162353	556-82-1
5	A	9	3-HYDROXYBENZALDEHYDE	C7H6O2	122.04	H19808	100-83-4
5	A	10	XANTHURENIC ACID	C10H7NO4	205.04	D120804	59-00-7
5	A	11	2-METHYLPROPANAL OXIME	C4H9NO	87.07	S388378	151-00-8
5	A	12	PROPIONATE	C3H6O2	96.02	P1880	137-40-6
5	B	1	TRIMETHYLAMINE	C3H9N	95.05	T72761	593-81-7
5	B	2	MELATONIN	C13H16N2O2	232.12	M5250	73-31-4
5	B	3	MALEIC ACID	C4H4O4	116.01	M0375	110-16-7
5	B	4	PENTANOATE	C5H10O2	102.07	240370	109-52-4
5	B	5	PROPANOATE	C3H6O2	74.04	402907	79-09-4
5	B	6	BILIRUBIN	C33H36N4O6	584.26	B4126	635-65-4
5	B	7	(S)-NICOTINE	C10H14N2	162.12	N3876	54-11-5
5	B	8	BUTANAL	C4H8O	72.06	538191	123-72-8
5	B	9	4-HYDROXY-2-QUINOLINECARBOXYLIC ACID	C10H7NO3	189.04	K3375	492-27-3
5	B	10	2-METHYLPROPANOATE	C4H8O2	88.05	I1754	79-31-2
5	B	11	3-HYDROXYBENZYL ALCOHOL	C7H8O2	124.05	H20601	620-24-6
5	B	12	ANILINE	C6H7N	93.06	242284	62-53-3
5	C	1	4-HYDROXYPHENYLACETATE	C8H8O3	152.05	H50004	156-38-7
5	C	2	3,5-DIODO-L-TYROSINE	C9H9I2NO3	468.89	D0754	18835-59-1
5	C	3	MANDELIC ACID	C8H8O3	152.05	M2101	90-64-2
5	C	4	TRYPTAMINE	C10H12N2	160.10	193747	61-54-1
5	C	5	BENZOATE	C7H6O2	122.04	242381	65-85-0
5	C	6	GLUTARATE	C5H8O4	132.04	G3407	110-94-1
5	C	7	INDOLE-3-ACETATE	C10H9NO2	175.06	I3750	87-51-4
5	C	8	CAFFEATE	C9H8O4	180.04	C0625	331-39-5
5	C	9	LUMICROME	C12H10N4O2	242.08	103217	1086-80-2
5	C	10	6-CARBOXYHEXANOATE	C7H12O4	160.07	P45001	111-16-0
5	C	11	N-ACETYL-L-PHENYLALANINE	C11H13NO3	207.09	857459	2018-61-3
5	C	12	AMYLOSE	C14H26O11	167.04	A0512	9005-82-7
5	D	1	L-TRYPTOPHANAMIDE	C11H13N3O	238.07	T0629	5022-65-1
5	D	2	PHENOL	C6H6O	94.04	328111	108-95-2
5	D	3	N-omega-METHYLTRYPTAMINE	C11H14N2	173.11		61-49-4
5	D	4	OXALOACETATE	C4H4O5	132.01	O4126	328-42-7
5	D	5	2,3-DIHYDROXYBENZOATE	C7H6O4	154.03	126209	303-38-8
5	D	6	PROPENOATE	C3H4O2	72.02	147230	79-10-7
5	D	7	INDOLE-3-ETHANOL	C10H11NO	161.08	T90301	526-55-6

PLATE	ROW	COL	Compound Name	Formula	MW	Sigma Product	CAS
5	D	8	FERULATE	C10H10O4	194.06	90034	1135-24-6
5	D	9	GLYCOCHOLATE	C26H43NO6	465.31	G2878	1192657-83-2
5	D	10	PHENYLETHANOLAMINE	C8H11NO	137.08	A72405	7568-93-6
5	D	11	THIOPURINE S-METHYLETHER	C6H6N4S	166.03	S244228	50-66-8
5	D	12	2-HYDROXY-4-(METHYLTHIO)BUTYRIC ACID	C5H10O3S	338.02	55875	4857-44-7
5	E	1	PROPANAL	C3H6O	58.04	538124	123-38-6
5	E	2	BENZOATE	C7H5NaO2	144.02	B3420	532-32-1
5	E	3	3-AMINO-5-HYDROXYBENZOIC ACID	C7H7NO3	189.02	05881	14206-69-0
5	E	4	CATECHOL	C6H6O2	110.04	C9510	120-80-9
5	E	5	3,4-DIHYDROXYBENZOATE	C7H6O4	154.03	08992	99-50-3
5	E	6	CYCLOPENTANONE	C5H8O	84.06	C112402	120-92-3
5	E	7	PANTOLACTONE	C6H10O3	130.06	237817	599-04-2
5	E	8	GUAIACOL	C7H8O2	124.05	G5502	90-05-1
5	E	9	2-HYDROXYPHENYLACETIC ACID	C8H8O3	152.05	154210	611-71-2
5	E	10	10-HYDROXYDECANOATE	C10H20O3	188.14	379700	1679-53-4
5	E	11	1,2-DIDECANOYL-SN-GLYCERO-3-PHOSPHOCHOLINE	C28H56NO8P	565.37	P7081	3436-44-0
5	E	12	2-HYDROXYPYRIDINE	C5H5NO	95.04	H56800	142-08-5
5	F	1	3,4-DIHYDROXYPHENYLACETATE	C8H8O4	168.04	850217	102-32-9
5	F	2	N6-(DELTA2-ISOPENTENYL)-ADENINE	C10H13N5	203.12	D7660	2365-40-4
5	F	3	METHYL VANILLATE	C8H8O4	182.06	138126	3943-74-6
5	F	4	2-OXOBUTANOATE	C4H6O3	102.03	K401	600-18-0
5	F	5	LIPOAMIDE	C8H15NOS2	205.06	T5875	940-69-2
5	F	6	3-HYDROXYANTHRANILATE	C7H7NO3	153.04	148776	548-93-6
5	F	7	3-(4-HYDROXYPHENYL)PYRUVATE	C9H8O4	180.04	114286	156-39-8
5	F	8	HEXANOATE	C6H12O2	116.08	153745	142-62-1
5	F	9	METHYLMALONATE	C4H6O4	118.03	M54058	516-05-2
5	F	10	SEROTONIN CREATININE SULFATE COMPLEX	C14H23N5O7S	405.13	H7752	61-47-2
5	F	11	CORTISOL 21-ACETATE	C23H32O6	404.22	H4126	50-03-3
5	F	12	INDOLE-3-ACETAMIDE	C10H10N2O	174.08	286281	879-37-8
5	G	1	HIPPURATE	C9H9NO3	179.06	112003	495-69-2
5	G	2	ETHYLMALONIC ACID	C5H8O4	132.04	102687	601-75-2
5	G	3	3,5-DIODO-L-THYRONINE	C15H13I2NO4	524.89	D0629	1041-01-6
5	G	4	FUMARATE	C4H4O4	116.01	47910	110-17-8
5	G	5	BENZALDEHYDE	C7H6O	106.04	418099	100-52-7
5	G	6	4-HYDROXYBENZALDEHYDE	C7H6O2	122.04	144088	123-08-0
5	G	7	3-(2-HYDROXYPHENYL)PROPANOATE	C9H10O3	166.06	393533	495-78-3
5	G	8	3-METHOXYTYRAMINE	C9H13NO2	203.07	M4251	1477-68-5
5	G	9	BENZYLAMINE	C7H9N	107.07	185701	100-46-9
5	G	10	2-QUINOLINECARBOXYLIC ACID	C10H7NO2	173.05	160660	93-10-7
5	G	11	SEROTONIN	C10H12N2O	211.06	H9523	153-98-0
5	G	12	PTERIN	C6H5N5O	163.05	P1132	2236-60-4
5	H	1	4-AMINOBENZOATE	C7H7NO2	137.05	A9878	150-13-0
5	H	2	2-AMINOPHENOL	C6H7NO	109.05	A71301	95-55-6
5	H	3	ACETOIN	C4H8O2	88.05	40127	513-86-0
5	H	4	INDOLE-3-PYRUVIC ACID	C11H9NO3	203.06	I7017	392-12-1
5	H	5	DEHYDRO-L-(+)-ASCORBIC ACID DIMER	C6H6O6	348.03	D8132	72691-25-9
5	H	6	3-AMINO-4-HYDROXYBENZOIC ACID	C7H7NO3	153.04	289647	1571-72-8
5	H	7	DIHYDROXYMANDELIC ACID	C8H8O5	184.04	151610	14883-87-5
5	H	8	ANTHRANILATE	C7H7NO2	137.05	A89855	118-92-3
5	H	9	THIOACETATE	C2H4OS	76.00	T30805	507-09-5
5	H	10	BUTANOATE	C4H8O2	88.05	B103500	107-92-6
5	H	11	INDOLE-3-ACETIC ACID	C10H9NO2	196.04	I5148	6505-45-9
5	H	12	5-VALEROLACTONE	C5H8O2	100.05	389579	542-28-9
6	A	1	2,5-DIHYDROXYBENZOATE	C7H6O4	154.03	149357	490-79-9
6	A	2	2-METHYLMALEATE	C5H6O4	130.03	C82604	498-23-7
6	A	3	HYDROQUINONE	C6H6O2	110.04	H9003	123-31-9
6	A	4	DETHIOBIOTIN	C10H18N2O3	214.13	D1411	533-48-2
6	A	5	3-METHYL-2-OXOVALERIC ACID	C6H10O3	130.06	COM448623661	1460-34-0
6	A	6	ALPHA-KETOGLUTARIC ACID	C5H6O5	167.00	K1875	22202-68-2
6	A	7	N-ACETYL SEROTONIN	C12H14N2O2	218.11	A1824	1210-83-9
6	A	8	3-METHYLBUTANAL	C5H10O	86.07	146455	590-86-3
6	A	9	ITACONATE	C5H6O4	130.03	I29204	97-65-4
6	A	10	AZELAIC ACID	C9H16O4	188.10	246379	123-99-9
6	A	11	MONO-METHYL GLUTARATE	C6H10O4	146.06	M47353	1501-27-5
6	A	12	2-METHYLGLUTARIC ACID	C6H10O4	146.06	129860	18069-17-5
6	B	1	PHENYLACETALDEHYDE	C8H8O	120.06	107395	122-78-1
6	B	2	2-METHYLBUTANAL	C5H10O	86.07	W269107	96-17-3
6	B	3	PHENYL ACETATE	C8H8O2	136.05	108723	122-79-2
6	B	4	DIACETYL	C4H6O2	86.04	B85307	431-03-8
6	B	5	PYRUVATE	C3H4O3	88.02	107360	127-17-3
6	B	6	TRANS-CINNAMALDEHYDE	C9H8O	132.06	C80687	14371-10-9
6	B	7	2,6-DIHYDROXYPYRIDINE	C5H5NO2	147.01	D120006	10357-84-3

PLATE	ROW	COL	Compound Name	Formula	MW	Sigma Product	CAS
6	B	8	PHENETHYLAMINE	C8H11N	121.09	241008	64-04-0
6	B	9	METHYL ACETOACETATE	C5H8O3	116.05	537365	105-45-3
6	B	10	SUBERIC ACID	C8H14O4	174.09	S5200	505-48-6
6	B	11	ADIPIC ACID	C6H10O4	146.06	09582	124-04-9
6	B	12	GERANYL PYROPHOSPHATE	C10H20O7P2	368.17	G6772	763-10-0
6	C	1	N-ACETYL-L-LEUCINE	C8H15NO3	173.11	441511	1188-21-2
6	C	2	2',4'-DIHYDROXYACETOPHENONE	C8H8O3	152.05	D107409	89-84-9
6	C	3	BENZYL ALCOHOL	C7H8O	108.06	39971	100-51-6
6	C	4	2-OXOADIPATE	C6H8O5	160.04	75447	3184-35-8
6	C	5	METHYL INDOLE-3-ACETATE	C11H11NO2	189.08	I9770	1912-33-0
6	C	6	(RS)-MEVALONIC ACID LITHIUM SALT	C6H11O4 · xLi+	147.15 (free acid basis)	90469	150-97-0 (free acid)
6	C	7	3-METHOXY-4-HYDROXYMANDELATE	C9H10O5	198.05	H0131	55-10-7
6	C	8	HOMOVANILLATE	C9H10O4	182.06	H1252	306-08-1
6	C	9	4-QUINOLINECARBOXYLIC ACID	C10H7NO2	173.05	174823	486-74-8
6	C	10	(S)-1-PHENYLETHANOL	C8H10O	122.07	685836	1445-91-6
6	C	11	1-METHYL-6,7-DIHYDROXY-1,2,3,4-TETRAHYDROISOQUINOLINE	C10H13NO2	258.01	SML0398	59709-57-8
6	C	12	SALICYLAMIDE	C7H7NO2	137.05	84230	65-45-2
6	D	1	3-HYDROXYBENZOATE	C7H6O3	138.03	H20008	99-06-9
6	D	2	4-METHYL-2-OXOVALERIC ACID	C6H10O3	130.06	68255	816-66-0
6	D	3	3-ALPHA,11-BETA,17-ALPHA,21-TETRAHYDROXY- 5-ALPHA-PREGNAN-20-ONE	C21H34O5	366.24	R288489	
6	D	4	N,N-DIMETHYL-1,4-PHENYLENEDIAMINE	C8H12N2	136.10	193992	99-98-9
6	D	5	HOMOGENITISATE	C8H8O4	168.04	H0751	451-13-8
6	D	6	INDOLE-3-ACETALDEHYDE	C10H9NO	264.03	I1000	20095-27-6
6	D	7	4-HYDROXY-3-METHOXYPHENYLGLYCOL	C9H12O4	454.23	H1377	67423-45-4
6	D	8	3-HYDROXYPHENYLACETATE	C8H8O3	152.05	H49901	621-37-4
6	D	9	4-METHYLCATECHOL	C7H8O2	124.05	M34200	452-86-8
6	D	10	PYRIDOXAL	C8H9NO3	203.03	P9130	65-22-5
6	D	11	SALICYLATE	C7H6O3	138.03	247588	69-72-7
6	D	12	3-METHYLBUTANOL	C5H12O	88.09	59085	123-51-3
6	E	1	3-METHYL-2-OXINDOLE	C9H9NO	147.07	493937	1504-06-9
6	E	2	3-METHYLADENINE	C6H7N5	149.07	M9281	5142-23-4
6	E	3	3-(4-HYDROXYPHENYL)LACTATE	C9H10O4	182.06	H3253	6482-98-0
6	E	4	BIOTIN	C10H16N2O3S	244.09	B4501	58-85-5
6	E	5	MERCAPTOPYRUVATE	C3H4O3S	141.97	90374	10255-67-1
6	E	6	PYRUVIC ALDEHYDE	C3H4O2	72.02	M0252	79-98-8
6	E	7	PYRROLE-2-CARBOXYLATE	C5H5NO2	110.02	P73609	634-97-9
6	E	8	5-HYDROXYINDOLEACETATE	C10H9NO3	191.06	H8876	54-16-0
6	E	9	PHENYLACETIC ACID	C8H8O2	136.05	P16621	103-82-2
6	E	10	RESORCINOL MONOACETATE	C8H8O3	152.05	R856	102-29-4
6	E	11	ACETOACETATE	C4H6O3	108.04	A8509	3483-11-2
6	E	12	ACETYL PHOSPHATE	C2H5O5P	183.95	01409	94249-01-1
6	F	1	ETHYL 3-INDOLEACETATE	C12H13NO2	203.09	274453	778-82-5
6	F	2	DEHYDROASCORBATE	C6H6O6	174.02	261556	490-83-5
NOTE GAP: SUGARS BELOW TO END OF PLATE							
6	F	6	D-FRUCTOSE	C6H12O6	180.06339	F0127	57-48-7
6	F	7	L-SORBOSE	C6H12O6	180.06339	85541	87-79-6
6	F	8	XYLITOL	C5H12O5	152.06848	X3375	87-99-0
6	F	9	RIBITOL	C5H12O5	152.06848	A5502	488-81-3
6	F	10	MYO-INOSITOL	C6H12O6	180.06339	I5125	87-89-8
6	F	11	MANNOSE	C6H12O6	180.06339	M8574	3458-28-4
6	F	12	ARABINOSE	C5H10O5	150.05283	A9524	147-81-9
6	G	1	D-XYLOSE	C5H10O5	150.05283	X1500	58-86-6
6	G	2	SUCROSE	C12H22O11	342.11622	S9378	57-50-1
6	G	3	D-GALACTOSE	C6H12O6	180.06339	G0750	59-23-4
6	G	4	ALPHA-D-GLUCOSE	C6H12O6	180.06339	158968	492-62-6
6	G	5	ALLOSE	C6H12O6	180.06339	285005	2595-97-3
6	G	6	MANNITOL	C6H14O6	182.07904	M4125	69-65-8
6	G	7	MELIBIOSE	C12H22O11	342.11622	M5500	585-99-9
6	G	8	D-SORBITOL	C6H14O6	180.06339	S1876	50-70-4
6	G	9	MALTOSE	C12H22O11	342.11622	M9171	6363-53-7
6	G	10	D-TAGATOSE	C6H12O6	180.06339	T2751	87-81-0
6	G	11	D-GULONIC ACID GAMA-LACTONE	C6H12O7	178.04774	219355	6322-07-2
6	G	12	D-(-)-ARABINOSE	C5H10O5	150.05282	A3131	10323-20-3
6	H	1	D-(+)-CELLOBIOSE	C12H22O11	342.11622	C7252	528-50-7
6	H	2	D-PSICOSE	C6H12O6	180.06339	P8043	551-68-8
6	H	3	L-ARABITOL	C5H12O5	152.06848	A3506	7643-75-6
6	H	4	D-LYXOSE	C5H10O5	150.05282	220477	1114-34-7
6	H	5	D-RIBOSE	C5H10O5	150.05283	R7500	50-69-1

PLATE	ROW	COL	Compound Name	Formula	MW	Sigma Product	CAS
6	H	6	PALATINOSE	C12H22O11	342.11621	P2007	343336-76-5
7	A	1	VITAMIN D2	C28H44O	396.33922	E5750	50-14-6
7	A	2	SQUALENE	C30H50	410.39125	S3626	111-02-4
7	A	3	4-COUMARATE	C9H8O3	164.04735	C9008	501-98-4
7	A	4	NONANOATE	C9H18O2	158.13068	N5502	112-05-0
7	A	5	CHENODEOXYCHOLATE	C24H40O4	392.29266	C9377	474-25-9
7	A	6	CAPRYLIC ACID	C8H16O2	144.11503	PHR1202	124-07-2
7	A	7	CHOLESTERYL ACETATE	C29H48O2	428.36543	151114	604-35-3
7	A	8	PETROSELINIC ACID	C18H34O2	282.25588	P8750	593-39-5
7	A	9	1,2-DIPALMITOYL-SN-GLYCEROL	C35H68O5	568.50668	D9135	30334-71-5
7	A	10	3ALPHA,12ALPHA-DIHYDROXY-5BETA-CHOLANATE	C24H40O4	392.29266	D2510	83-44-3
7	A	11	3ALPHA-HYDROXY-5BETA-CHOLANATE	C24H40O3	376.29775	L6250	434-13-9
7	A	12	PROTOPORPHYRIN	C34H34N4O4	562.25801	P8293	553-12-8
7	B	1	HEPTANOIC ACID	C7H14O2	130.09938	75190	111-14-8
7	B	2	RETINOL	C20H30O	286.22967	R7632	68-26-8
7	B	3	MENAQUINONE	C31H40O2	444.30283	V9378	11032-49-8
7	B	4	ELAIDIC ACID	C18H34O2	282.25588	E4637	112-79-8
7	B	5	ESTRADIOL-17ALPHA	C18H24O2	272.17763	E8750	57-91-0
7	B	6	MYRISTIC ACID	C14H28O2	228.20893	M3128	544-63-8
7	B	7	CHOLESTERYL OLEATE	C45H78O2	650.60018	C9253	303-43-5
7	B	8	ROSMARINIC ACID	C18H16O8	360.08452	R4033	20283-92-5
7	B	9	GLYCERYL TRIPALMITATE	C51H98O6	806.73634	T5888	555-44-2
7	B	10	REICHSTEIN'S SUBSTANCE S	C21H30O4	346.21441	R0500	152-58-9
7	B	11	TAUROLITHOCHOLATE	C26H45NO5S	506.29162	T7515	6042-32-6
7	B	12	PALMITOLEIC ACID	C16H30O2	254.22458	P9417	373-49-9
7	C	1	PALMITATE	C16H32O2	256.24023	P0500	57-10-3
7	C	2	3,3',5'-TRIIODOTHYRONINE	C15H12I3NO4	650.79007	T0281	5817-39-0
7	C	3	SPHINGANINE	C18H39NO2	301.29808	D3314	764-22-7
7	C	4	LANOSTEROL	C30H50O	426.38617	L5768	79-63-0
7	C	5	LAURIC ACID	C12H24O2	200.17763	L556	143-07-7
7	C	6	ARACHIDIC ACID	C20H40O2	312.30283	A3631	506-30-9
7	C	7	ERUCIC ACID	C22H42O2	338.31848	45629	112-86-7
7	C	8	DEOXYCHOLATE	C24H40O4	414.27461	30970	302-95-4
7	C	9	4-METHYL-2-OXO-PENTANOIC ACID	C6H10O3	334.09406	R173924	
7	C	10	LEUKOTRIENE B4	C20H32O4	336.23006	L0517	71160-24-2
7	C	11	HEPTADECANOATE	C17H34O2	270.25588	H3500	506-12-7
7	C	12	GLYCERYL TRIMYRISTATE	C45H86O6	722.64244	T5141	555-45-3
7	D	1	LINOLEATE	C18H32O2	280.24023	L1376	60-33-3
7	D	2	SPHINGOMYELIN	C41H83N2O6P	730.59887	S0756	85187-10-6
7	D	3	CHOLESTA-5,7-DIEN-3BETA-OL	C27H44O	384.33922	30800	434-16-2
7	D	4	THYROXINE	C15H11I4NO4	776.68672	T2376	51-48-9
7	D	5	BIS(2-ETHYLHEXYL)PHTHALATE	C24H38O4	390.27701	36735	117-81-7
7	D	6	GAMMA-LINOLENIC ACID	C18H30O2	278.22458	L2378	506-26-3
7	D	7	OMEGA-HYDROXYDODECANOIC ACID	C12H24O3	216.17255	198781	505-95-3
7	D	8	METHYL JASMONATE	C13H20O3	224.14125	392707	39924-52-2
7	D	9	L- α -PHOSPHATIDYLCHOLINE	C42H80NO8P	766.082262	P3556	8002-43-5
7	D	10	HEXADECANOL	C16H34O	242.26097	258741	36653-82-4
7	D	11	DIMETHYLBENZIMIDAZOLE	C9H10N2	146.0844	D147206	582-60-5
7	D	12	RETINOATE	C20H28O2	300.20893	R2625	302-79-4
7	E	1	INDOLE	C8H7N	117.05785	I3408	120-72-9
7	E	2	CHOLATE	C24H40O5	408.28758	C1129	81-25-4
7	E	3	PHYLLOQUINONE	C31H46O2	450.34978	95271	84-80-0
7	E	4	CHOLESTERYL PALMITATE	C43H76O2	624.58453	C6072	601-34-3
7	E	5	QUINOLINE	C9H7N	129.05785	241571	91-22-5
7	E	6	DOCOSAHEXAENOIC ACID	C22H32O2	328.24023	D2534	6217-54-5
7	E	7	DIETHYL 2-METHYL-3-OXOSUCCINATE	C9H14O5	202.08413	137766	759-65-9
7	E	8	RETINYL PALMITATE	C36H60O2	524.45933	46959	79-81-2
7	E	9	1-NAPHTHYLAMINE	C10H9N	143.0735	N9005	134-32-7
7	E	10	1-HYDROXY-2-NAPHTHOATE	C11H8O3	188.04735	109630	86-48-6
7	E	11	1,2-DIPALMITOYL-RAC-GLYCERO-3-PHOSPHOETHANOLAMINE	C37H74NO8P	691.51521	P3275	5681-36-7
7	E	12	PHENYLPYRUVATE	C9H8O3	186.02929	P8001	114-76-1
7	F	1	TRANS-CINNAMATE	C9H8O2	148.05243	C80857	140-10-3
7	F	2	OLEATE	C18H34O2	282.25588	O1008	112-80-1
7	F	3	STEARATE	C18H36O2	284.27153	S4751	57-11-4
7	F	4	BETA-CAROTENE	C40H56	536.4382	22040	7235-40-7
7	F	5	25-HYDROXYCHOLESTEROL	C27H46O2	402.34978	H1015	2140-46-7
7	F	6	NERVONIC ACID	C24H46O2	366.34978	N1514	506-37-6
7	F	7	DESMOSTEROL	C27H44O	384.33922	D6513	313-04-2
7	F	8	DEOXYCORTICOSTERONE ACETATE	C23H32O4	372.23006	D7000	56-47-3

PLATE	ROW	COL	Compound Name	Formula	MW	Sigma Product	CAS
7	F	9	1-OLEOYL-RAC-GLYCEROL	C21H40O4	356.29266	M7765	111-03-5
7	F	10	ALPHA-TOCOPHEROL	C29H50O2	430.38108	T3634	59-02-9
7	F	11	RAC-GLYCEROL 1-MYRISTATE	C17H34O4	302.24571	M1890	589-68-4
7	F	12	TRICOSANOIC ACID	C23H46O2	354.34978	T6543	2433-96-7
7	G	1	COENZYME Q10	C59H90O4	863.3435	C9538	303-98-0
7	G	2	CORTISONE	C21H28O5	360.19368	C2755	53-06-5
7	G	3	DECANOATE	C10H20O2	172.14633	C1875	334-48-5
7	G	4	CORTICOSTERONE	C21H30O4	346.21441	27840	50-22-6